
Rocket Python Documentation

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Rocket Python is a Python 2 and 3 library to access the [REST API](#) in RocketChat instances. The goal is to implement the entire REST API provided by [RocketChat](#).

CHAPTER 1

Installation

First step is to install via pip:

```
pip install rocket-python
```

You'll need to create an instance of the Rocket API by logging in:

```
from rocketchat.api import RocketChatAPI

api = RocketChatAPI(settings={'username': 'someuser', 'password': 'somepassword',
                              'domain': 'https://myrocketchatdomain.com'})
```


rocketchat package

Subpackages

rocketchat.calls package

Subpackages

rocketchat.calls.auth package

Submodules

rocketchat.calls.auth.get_me module

```
class rocketchat.calls.auth.get_me.GetMe (settings=None, *args, **kwargs)  
    Bases: rocketchat.calls.base.RocketChatBase  
    build_endpoint (**kwargs)  
    endpoint = '/api/v1/me'  
    post_response (result)
```

Module contents

rocketchat.calls.channels package

Submodules

rocketchat.calls.channels.get_history module

```
class rocketchat.calls.channels.get_history.GetRoomHistory (settings=None, *args,
                                                         **kwargs)
    Bases: rocketchat.calls.base.RocketChatBase
    build_endpoint (**kwargs)
    endpoint = '/api/v1/channels.history'
    post_response (result)
```

rocketchat.calls.channels.get_public_rooms module

```
class rocketchat.calls.channels.get_public_rooms.GetPublicRooms (settings=None,
                                                                *args, **kwargs)
    Bases: rocketchat.calls.base.RocketChatBase
    build_endpoint ()
    endpoint = '/api/v1/channels.list'
    post_response (result)
```

rocketchat.calls.channels.get_room_info module

```
class rocketchat.calls.channels.get_room_info.GetRoomInfo (settings=None, *args,
                                                            **kwargs)
    Bases: rocketchat.calls.base.RocketChatBase
    build_endpoint (**kwargs)
    endpoint = '/api/v1/channels.info'
    post_response (result)
```

Module contents

rocketchat.calls.chat package

Submodules

rocketchat.calls.chat.send_message module

```
class rocketchat.calls.chat.send_message.SendMessage (settings=None, *args, **kwargs)
    Bases: rocketchat.calls.base.PostMixin, rocketchat.calls.base.RocketChatBase
    build_endpoint (**kwargs)
    build_payload (**kwargs)
    endpoint = '/api/v1/chat.postMessage'
```

Module contents

Submodules

rocketchat.calls.base module

class `rocketchat.calls.base.PostMixin`

Bases: `object`

method = `'post'`

class `rocketchat.calls.base.RocketChatBase` (*settings=None, *args, **kwargs*)

Bases: `object`

auth_token = `None`

auth_user_id = `None`

build_endpoint (***kwargs*)

Build the endpoint for the user given some kwargs from the initial calling.

Returns

build_payload (***kwargs*)

Build a payload dict that will be passed directly to the endpoint. If you need to pass this as plain text or whatever you'll need to the dumping here.

Returns

call (**args, **kwargs*)

Parameters

- **args** –
- **kwargs** –

Returns

endpoint = `None`

headers = `{}`

logoff ()

method = `'get'`

post_response (*result*)

set_auth_headers ()

set_auth_token ()

settings = `None`

Module contents

Submodules

rocketchat.api module

class `rocketchat.api.RocketChatAPI` (*settings=None, *args, **kwargs*)
Bases: `object`

get_my_info (***kwargs*)

get_private_room_history (*room_id, oldest=None, **kwargs*)
Get various history of specific private group in this case private

Parameters

- **room_id** –
- **kwargs** –

Returns

get_private_room_info (*room_id, **kwargs*)
Get various information about a specific private group

Parameters

- **room_id** –
- **kwargs** –

Returns

get_private_rooms (***kwargs*)
Get a listing of all private rooms with their names and IDs

get_public_rooms (***kwargs*)
Get a listing of all public rooms with their names and IDs

get_room_history (*room_id, oldest=None, latest=datetime.datetime(2017, 6, 25, 22, 1, 15, 331177), inclusive=False, count=20, unreads=False, **kwargs*)
Get various history of specific channel/room

Parameters

- **room_id** –
- **kwargs** –

Returns

get_room_info (*room_id, **kwargs*)
Get various information about a specific channel/room

Parameters

- **room_id** –
- **kwargs** –

Returns

send_message (*message, room_id, **kwargs*)
Send a message to a given room

settings = `None`

Module contents

rocketchat.calls.groups package

Submodules

rocketchat.calls.groups.get_private_room_history module

```
class rocketchat.calls.groups.get_private_room_history.GetPrivateRoomHistory (settings=None,  
                                                                           *args,  
                                                                           **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

build_endpoint (***kwargs*)

endpoint = `‘/api/v1/groups.history’`

post_response (*result*)

rocketchat.calls.groups.get_private_room_info module

```
class rocketchat.calls.groups.get_private_room_info.GetPrivateRoomInfo (settings=None,  
                                                                           *args,  
                                                                           **kwargs)
```

Bases: *rocketchat.calls.base.RocketChatBase*

build_endpoint (***kwargs*)

endpoint = `‘/api/v1/groups.info’`

post_response (*result*)

rocketchat.calls.groups.get_private_rooms module

```
class rocketchat.calls.groups.get_private_rooms.GetPrivateRooms (settings=None,  
                                                                *args, **kwargs)  
    Bases: rocketchat.calls.base.RocketChatBase  
    build_endpoint ()  
    endpoint = '/api/v1/groups.list'  
    post_response (result)
```

Module contents

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